

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:296	Late	LPZ-280	GCGGACGCCTTAATTCGACTACAAAGATACTGAAGCCAATGATGACAGGTTGTGCC ACTTTCCAGCTGATAAAGACAGCTCTGAAATTGATAGAGCCAGAACTCCAGCTGC AATGCTCCCCAGAGCCTGGTTGAAGCGCTTGCTAAAGGTGGCACTTTATAGACCGA CCCAAACCTCCCTGGCCGTCGTTTTACAACGTC
SEQ ID NO:297	Early	LPZ-281	GCGGACGCCTACTGGAAACCCGGTCCACCGAAGGCTGAAATTGTCTGCTTTGTA TACCGAATGGCAGGAAGGTTGTGAGCATCAGGTTACCTGGTAAAGATTATCGAT CCTATGCTTCAATACCTTCAGCTGCTCTGCCCCAAGGACAGTAGTATTGCACAGGT AAATTTGAGATTCATTGACATTCATCCGGAAGCGATATGGTGAGTTCTCGATCCTGT CCCCATGAGGAGCTCCCCAAGATTTTCTGCCATGTCTTCACACCATCCAAGGGC TTGCAGAAGGGCAGGCTGTAATAGCTGTAGGGAAGCTCTGTCTCGACTGAGGTAA GGGAATTGACGTTCACCCATAAATCTGACCCCTGGGAGAATATGATGTGAGGAATA CAGTGCCCAAGTAAATATAACTCCGCATTATACGTTTGTGTGTGCCCTTCCCCAATATT GCCCCAACATAATCAAAACCCACAATCCCAATCTGGACCGTCGTTTTTACAACGTC
SEQ ID NO:298	Early	LPZ-282	GCGGACGCCTTGTGAGGACCAATGTGTAAGAAACACCTCTGTCTTCGAGCCCCA TCCTTGAAATTGCATTGCAGGGGTCTGACCAAGAAGATCACATAACAACCTGTAT CTGGCACATCTGTAGGTCGAGGTATATTCTTTATTTGTTCCAAATTGGTCAGTTCAG GCGAAAGACCACCATGCATGCATAGGATCTTTTCATCTATAAGTGACGAACAGGC AGGCAGTTGAAACAGTCTGTAAAAAGTTTCCATAGTCTTACATTGAATCTGCGCTTG CACTCATCATAGAAACCATATATGCGATTTATTGAGGCACATTCATGATTTCCCCTC AGAAGGAAAAAGTTCTCTGGGTATTTAATTTTGTAAAGCAAGGAGGAGGCATATTGT CTCTAGGCTTTGTTTCCCCCGGTCCACATAATCTCCAAGAAATAAGTAATTTGATT CTGGTGGAAGCCACCATATTCAAAAAGCCTTAGACAGATCAGAATACCGGCCTGT CGTTTTACAACGTC
SEQ ID NO:299	Early	LPZ-283	GACGTTGTAAACGACGCGCCAGGAGACGGGAATACCTATTTTTGGGAGGATTATTG GGCTCGGGAATCAGCATATTGATGTGGCTGCAACTCGCATCCTCGATCTTTGGTGG TTCTTCGGCGATTTACACATTTGAGATCTACTTCGGTCTGCTAGTTTTCTTGGGTA TATTATATTTGACACACAGATGATCATCGAGAAAGCGGACCATGGAGACTATGATTA TTTAAACATTCACTGGACCTCTTTATTGACTTCGTTGCTGTATTTGTTGCGCTGAT GGTCATAATGGCAAAGAATGCAGACAGTAAATCCAGGGAAGGGAAAAAGAAGAGA AGGGCTTGAATATGTGAGATACAAAAATATCGAGAATAGAAGGGCTTGAAGTAGG GCTTGAAAGCGTCCGC
SEQ ID NO:300	Middle	LPZ-284	GCGGACGCCTATCAGACAAGGGTTGTTGACCGAACTTTATCCTCTGAAAAGTGCTT GAAGCTGATGTATGGCAATCCACGTGTCTGCACCATATTTATCGGAGCCCCCTCA CACGGAAACAACCTTAAGCCAAAAGGTGGTGCATGACTTACCGCCGCTTTATGGT TTGCTTCGGTGGTTTTCTGTTGGGTGGTTTCCCGCGCGCGTTAACTGCTGGCCGT CGTTTTACAACGTC
SEQ ID NO:301	Late	LPZ-286	GACGTTGTAAACGACGCGCAAGAGGGGAACTCCCAAAACACTTTTCCATTTTT CTTCTTTTATTAACTTCAAAGTATTTTCCAACAGAGTTACAAGGGGCCAACCATGT CCAAATCCATGCATTTACCAAGTACAAAGAATGGTAGTCCTTGGCTTGACCTATCGC ACTAGCCAAAAGTGCCAAGTCCCAACTAGGGTGTGCCAACCTAAGGTTGACACC TTGCCCTAGAAAAAACCCCAAACTTGGCACCACAAATAACACAGAAAACAACTCTTG ACCTCTGCCAGAAACCAGGCTCTCTTGGGAAAGCCACACCTCTCTGTGATATGT CTTATCTCCAATTTCCCTTTTTGTGATGCACTCCCTTGTGTGGTTCTGCGATATC ACACAACTTACATTTCTGCGATTTTGTTCCTTCTCCAATCATGCGATCTTA TTTTAACCCTTGAGACCTTCCACATTTCCATCCATGACGTCACTTCATCGTTTAA GCCAATTGCTCATTTGGGCATGTTGGGCGTTGGGTCTACCCGATTCCGGTGGTAC AGGCCAAATTGACATTTTGGTCCAGGTGGGTGCACCCATTCTGGAGGGCGGTTCC GGC

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:302	Late	LPZ-287	GCGGACGCCTCCACAGAGCTCACACATACAATATACTATGATGCCTCCAGAAGCTAT GGCACTCTGTATGCCGCTTCAATATGGATTAGCCACACTGCGCCATCCAATTAGG CGAATCAACCTTATAGACCATCCACAACCTCCAGCGCTCTCTTTTTCACGCTAGAT TGGCCAACTACAGGCTTTACAACACTACTCATATACTCAACTCGGCTCCTCTGC TCACCACTAAATCACACAGGCTCCAATCGCTAGACAGAGCCACTACACAGGCACTA ATAGCCACTACACAGGCACTAATCTTGGCGTCTCCACCAGGTTCCAACAACAACC CCAAATTGCATATGCACTCCACAGTGAGCACCAACTAGGTCCACACAATAGGCCAC ACCAACAACACTCCAAGGACCCTAGATCCTGCCTCACCAGACACCACTAGGCCTT CCTCACAGCTCACCTAAGTGAGCCAACAACCTGGCTGGGCACACAGCTCCCAACTAT ATGAGCACACAGCCCAACTACAGCTCCACCACACGCACAGCTACACGCACAATGC CTTCTCAAGTTCACAGCCACACCATAACGCAGCACAGTTCTTACAAACATATCTCTC CAGGCGTCCGC
SEQ ID NO:303	Middle	LPZ-288	GACGTTGTAAAACGACGGCCAGGATAATGGACACGAGAAACCTTTGGATGTGCCT CTAAAGTGCGGGCAATCCTTAAAGCTGTTGAATTTTGTGCTGTACACGAAGGTGC AGGGTCTTTATGCCACGAAGAATCAAGTACGCTGCATTTGGACTTAATACCACTCC CAAGACATTGTGCAAAGCACGTACTGTGCCAATAACCTTGTGTTGAACCACTCAAAC GCCTGCAAGAACATCATTATGACCTGCAATATATTTAGTTACCGAATGCAATACAAT ATCTGCGCCGAGTGCTAACGCTTTCTGGTTAACAGGCGTCCGC
SEQ ID NO 304	Middle	LPZ-289	GACGTTGTAAAACGACGGCCAGTCATTATTGACAATAATCCTTTTCAGCTTTTTACTG CAACCTTTAAACGGTATACCTTGCCTTTCTTTCACTGGAGCACACTCAGATGATAAT CAGCTTTTACAGGTGCTCTTACCCTCTGTTGAAGCATCTTGCCACTCAGGAGGACGT GCGCCCTGTGTTGTATGAAAGATTTTACATGCCCGCATGGTTTGAAGGCGTGCCA TTCCAGCATCTGAGTGGCCCTTGTGACTTGGTTTGTATTTGGATACTCTTTGTCAT TTTGGGTCAAGGTAAAGGTGTACGTATCCAAGTGATGCAAGCGTCCGC
SEQ ID NO:305	Middle	LPZ-290	GCGGACGCCTGATAGCACGAGTCTTCTTGGGACGCAATCAAGAGGCAGGTACTT CTTTTTCTGTATGCTTCTCTTAATGCGGATCGCTGGCTCTGAGAAATCACAGTCAG AACCTGAGCTATTGATAGCCTCACGACCTTGATTTTAGAGAGTTTGTGGCGCTC CTCCAGTGACCTTTGCAACTCTGAGCAAGGCAAGCTCAGCCTTGAGCTCCTTGACC TGGCTTAACAGCTCGGATTTGCCCTTGTGGCGGACTCAAGGACCTTTAACCTGGG CGTTCGT
SEQ ID NO:306	Late	LPZ-293	GCGGACGCCTGGTGTGCTGGGCCAGTTCAGTATTTTAGCAACAGTGTTACACT TATTCCTGTGATATTCTTGACTCACACAACCACCTTAAGTACGCAGACCATATCG ATCTGCTGCTGAAGCAAATGTTGATCATTGTCTCAGGTGTCAAAAAGCAAGGGG ATGGATCAGAAAGCTCTTCTAAATCTGCATGCTCCTCTAAATCTGGAAGGGTATCTT TGAAATAAAGTGAACATAGCCTTAAACACCTCTGGCCGTCGTT
SEQ ID NO:307	Late	LPZ-294	GACGTTGTAAAACGACGGCCAGAGGTGTTTAAAGGCTATGTTACACTTTATTACAAA GATACCCTTCAGATTTAAAGGAGCATGCAAATTTAAGAAAACTTTCTGATTCAA CCCCCTGCCTTTTGGCACCCCTGAAGATGGTTCAACAATTTGCTAACGGAACCAATT CAAAAGGGCCGCTCCATTTAAGGTGTTGTGTTAGTCCAGAATATCACAAGGAATA AGTGTTAACACCGGTGCCAAAATACCTGAAGTGGACCAACGACACCAAGCGTTCCG C
SEQ ID NO:308	Middle	LPZ-295	GCGGACGCCTTGTAAATCCAGGGCCTTGAATATTGTAAGAGAAGATCGAGAAATAAT AGTTTTCTTATTATCAGGAATCACAGCTTGAAGAAGGCAGACCATGGACTCCCACT GGCTTCGTGATATTGAGTCCCCAACAAACATTAGTCGTTTTCCCTCAATCTCCACA GCAAGTCTCTGGCATTGAATCTGCGAAAGGAACACCCGAGTGGCTTCCACCTCCAT TTCTCGTAATCAGAATCTGGCCGTCGTTTAAACA

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:309	Late	LPZ-297	GACGTTGTAAACGACGGCCAGCAGAGAAGACCAGTGCAGTATGCTGCAGCATAGTT TGTAAGCCCTACTTTCGAGTCCATAACGAGGCAACTCCCTAGAATAAGCAGCCGACA TAACAACATCTCCCGCAAGAGTTGCATAAATGATCTGTGCCACCACATCCTTGTGCG TGAATCTAACGACCAATCGGTATTTGGGTGTGTTGACTTGTCTTATCTTGGTTAA TCAGGCGTCCGC
SEQ ID NO:310	Late	LPZ-299	GACGTTGTAAACGACGGCCAGCATCCATTGCAGAAATTTGGGGGCTATATTTAG CAACAGATATCACAGCTGTAAGTTCAAAGTTGGACCTTCTTCTTCGACATCTTTTC CAGCTGTGCAATAAACTGAACACTGTCCTTTTGGATAAGCTTCTCAACATATTTAG AAAGTTCAACATCCAAGACATTGCGGTACTCCTCAACATATATGGATGCAAGTTCAT CATCTGCAGCTGGTCTCACCCTGTACAACTTGTTTAACATGGTTGACAGTTGCA ACTTGAGCAGTCCGTGGATCCAAATAATGAGTTCCGTCAAGCTCACTGAACTCAGT CACATCACCTGGCCACTTTGATTGGGCATCTCGAGGGATATCATGTGAGACTTGT TGTGGATGGGGAAAGCGTCCGC
SEQ ID NO:311	Early	LPZ-300	GCGGACGCCTGCATAAACATCGCTACCCTGGGGATGATTAATAATAGTACCAGGGT TAGGATTTTCTTCATCTTGAGCGATATCATCATACATAAAGACCACAATGTTTTCCCTC TTTCAAACCGCCTTTCTCAGAATTTGGTAGGCATGGCAGATATCAGCCTGATGCC TGTAAGTTCCAATAACCGGAAGAACCAGCCAACAGAATAGCCCACTGAGTACCGATC GTATCACTATCATCAACGATATGATCGGTGGGCATTTTCAGTACTGAATCCCAACCC CTTCTGGCCGTCGTTTTACAACGTC
SEQ ID NO:312	Middle	LPZ-301	GCGGACGCCTAGACTGGGCATACCAACTACCTTCTCATGCCAGGCCATGGGCCA CCTACCTGGTACTTAGGCATAACACCTTACTTACGAGCATGCCAGGCTCAGTCAGA TAGGCATGCATCCCACCCACCTAGCTATGACCCAATCCTTATAAACACTAGATATTC TCCCTGGCCGTCGTT
SEQ ID NO:313	Late	LPZ-303	GCGGACGCCTAGACAATCATTAAGTGAAGATCTGTAAGCCATGACAAGACGAATAA AACGAAGCACGGCGCAACCAGCGTGAATATTGACGCCTTAATTTTCATTCAACTGGG TTGCGGATTCTTTATTCCTCAACAAGTGTTCGATAGCTTCACATACGCAAGGCCCT TTTACTCTCACCTTCTATGGTTAATGCTGTAACCGTGAAGGTTGATGAAAGGACTT GGATGATGATGTTGCCAAAAAAAAAAAAA
SEQ ID NO:314	Middle	LPZ-304	GCGGACGCCTGCTCAACACCTGTTATAGTCATTTCTTGTTCCTTTCTCAATTTTC TCTTTCGAATGACCGCATTGAAATTCAGGCTGCCCAACGCGTTTTTGTTCACAAAT TAATTTTGAATCATACGCGAAGATCATGATGAGAATGGTTGTGGAAAAAACTGTT TGTAATATTTAG
SEQ ID NO:315	Middle	LPZ-306	ATATCACATTACCATTCAAAAATAAACATTTTACAAAATACAATTCCATAACAATTTT CTTCCCTGTTCCAACCTCCACAAAAGTAAATGATCGTATAAGAAATTAACACCAAC AAAAATCCCAAAGTTAAAGGAAGACATCCCCAAAAAAGATGTAACCTTCAAACCGG ATGACTTCACTCCTGCCATTGCACCTAGTCATTTACTTCTCAGAGGAGTTTGGCCCT TTCTTCTTTCCAAAAGTAACCACTGCGGTAACAAACCGGCGGTTGTATTGCATTGCG CTTGATGGCGCGGCTCTAGGCTTCTTCTTCTGTCTTGTGGCCACCTTAGGGTC CGC
SEQ ID NO:316	Middle	LPZ-307	GCGGACGCCTTGGTACAATGGACTTGCAAAAATAAAATGAGTTCTCATTTGTGGGT GAGATGCGGATATTTTATGCATAGGCACCTTCATGGAGATGTGGTTTATAAACGCCA TCTTAATATCTGTACCTATTACTTTCAAATATGAAGGCAAGATGGAAAGCTACTCAT CTGTTGTGAAGTCAGAATGTTGGTAGCGGTTGGGCTCTGAAAGTAAGAACTTTT GATTGGTTTAATTAATGAGGGAATTTGCCTGGTTTCCCTTCTCCTTCCGAAAAAA AAAAAAA

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